

Form PTO-1449
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

12013US02

SERIAL NO.

09/263,801

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

APPLICANT:

Laurence A. Fish et al.

FILING DATE

March 6, 1999

GROUP ART UNIT:

2711

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| HL | A1 | 3,626,295 | 12-07-71 | Sabru | | | |
| I | A2 | 3,898,376 | 08-05-75 | Nabeyama et al. | | | |
| | A3 | 4,130,730 | 12-19-78 | Ostrowski | | | |
| | A4 | 4,346,262 | 08-24-82 | Willems et al. | | | |
| | A5 | 4,494,238 | 01-15-85 | Groth | | | |
| | A6 | 4,544,950 | 10-01-85 | Tu | | | |
| | A7 | 4,624,012 | 11-18-86 | Lin et al. | | | |
| | A8 | 4,641,343 | 02-03-87 | Holland et al. | | | |
| HL | A9 | 4,720,873 | 01-19-88 | Goodman et al. | | | |

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| | | | | | | | YES | NO |
| HL | B1 | AU 744624 | 10-19-00 | Australia | | | | |
| I | B2 | CA 2,199,360 | 06-26-01 | Canada | | | | |
| | B3 | DE 33 13 841 A1 | 10-18-84 | Germany | | | | |
| HL | B4 | DE 34 40 613 C1 | 04-10-86 | Germany | | | | |

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| HL | C1 | "Draft AES recommended practice for professional audio – subjective evaluation of loudspeakers," Draft AES20-xxxx, <u>Standards and Information Documents</u> |
| I | C2 | "Asymmetric Internet Access over Satellite-Terrestrial Networks," V. Arora, N. Suphasindhu, J.S. Baras, D. Dillon, <u>Center for Satellite and Hybrid Communication Networks</u> |
| HL | C3 | "Precision Telephone Product Tester at bottom left, p. 297, located in Group 2900 library, B. A. Pargh Company, Inc. catalog |

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| HL | A10 | 4,725,886 | 02-16-88 | Galumbeck et al. | | | |
| | A11 | 4,731,783 | 03-15-88 | Fontanes | | | |
| | A12 | 4,763,321 | 08-09-88 | Calvignac et al. | | | |
| | A13 | 4,821,260 | 04-11-89 | Klank et al. | | | |
| | A14 | 4,831,624 | 05-16-89 | McLaughlin et al. | | | |
| | A15 | 4,907,277 | 03-06-90 | Callens et al. | | | |
| | A16 | 4,916,539 | 04-10-90 | Galumbeck et al. | | | |
| | A17 | 4,972,484 | 11-20-90 | Theile et al. | | | |
| HL | A18 | 5,111,292 | 05-05-92 | Kuriacose et al. | | | |

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| HL | B5 | DE 36 38 922 A1 | 05-26-88 | Germany | | | | |
| HL | B6 | DE 36 45 150 C2 | 05-26-88 | Germany | | | | |
| HL | B7 | DE 42 37 366 A1 | 05-11-94 | Germany | | | | |
| HL | B8 | EP 0 139 803 | 05-08-85 | Europe | | | | |

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| HL | C4 | "A Systems Approach to Non-Transcoded Audio Delivery, A Step Toward Digital Compatibility," Richard J. Becvar, Annual Proceeding of the National Association of Broadcasting, March 20, 1994. |
| I | C5 | "ISO-MPEG-1 Audio: A Generic Standard for Coding of High-Quality Digital Audio," Brandenburg et al., J. Audio Eng. Soc., Vol. 42, No. 10, Oct. 1994, pp. 780-792. |
| LL | C6 | CDQ1000 Reference Manual, Revision 3.3, May, 1994, CCS Audio Products |

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| HL | A19 | 5,132,992 | 07-21-92 | Yurt et al. | | | |
| | A20 | 5,144,431 | 09-01-92 | Citta et al. | | | |
| | A21 | 5,151,998 | 09-29-92 | Capps | | | |
| | A22 | 5,161,210 | 11-03-92 | Druyvesteyn et al. | | | |
| | A23 | 5,214,708 | 05-25-93 | McEachern | | | |
| | A23 | 5,239,540 | 08-24-93 | Rovira et al. | | | |
| | A25 | 5,253,275 | 10-12-93 | Yurt et al. | | | |
| | A26 | 5,282,028 | 01-25-94 | Johnson et al. | | | |
| HL | A27 | 5,282,202 | 01-25-94 | Bernstein et al. | | | |

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| | | | | | | | YES | NO |
| HL | B9 | EP 0 174 636 | 03-19-86 | Europe | | | | |
| | B10 | EP 0 271 805 | 06-22-88 | Europe | | | | |
| | B11 | EP 0 343 792 A2 | 11-29-89 | Europe | | | | |
| HL | B12 | EP 0 372 601 A1 | 06-13-90 | Europe | | | | |

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| HL | C7 | CDQ2000 Reference Manual, Rev. 6.92-2, July 27, 1994, <u>CCS Audio Products</u> |
| HL | C8 | CDQ2001 Reference Manual, Revision 2.2-3, August 1994, <u>Musicam USA</u> |
| HL | C9 | "SpectraCast DR1000 Integrated Receiver Decoder," Crown Satellite, March, 1998 |

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| HL | A28 | 5,287,351 | 02-15-94 | Wall, Jr. et al. | | | |
| I | A29 | 5,301,363 | 04-15-94 | Hinderks | | | |
| | A30 | 5,305,440 | 04-19-94 | Morgan et al. | | | |
| | A31 | 5,319,707 | 06-07-94 | Wasilewski et al. | | | |
| | A32 | 5,325,423 | 06-28-94 | Lewis | | | |
| | A33 | 5,333,155 | 07-26-94 | Dambacher | | | |
| | A34 | 5,341,457 | 08-23-94 | Hall, II et al. | | | |
| | A35 | 5,349,699 | 09-20-94 | Erben et al. | | | |
| HL | A36 | 5,375,068 | 12-20-94 | Palmer et al. | | | |

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| | | | | | | | YES | NO |
| HL | B13 | EP 0 510 247 A2 | 08-02-91 | Europe | | | | |
| HL | B14 | EP 0 510 247 A3 | 08-02-91 | Europe | | | | |
| HL | B15 | JP 5227164 | 09-03-93 | Japan | | | | |
| HL | B16 | Kokai 1-188043 | 07-27-89 | Japan | | | | |

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| HL | C10 | "120/140 Mbit/s Portable HDTV Codec and its Transmission Performance in a Field Trial via INTELSAT Satellite," Shuichi Matsumoto and Hitomi Murakami, 8376 Signal Processing Image Communication, Elsevier Science Publishers, vol. 4, Nos. 4/5, August 1, 1992, pp. 359-377, xp000293754, Amsterdam, NE |
| I | C11 | "The Internet Multicast from ITS: How it was Done and Implications for the Future," Luis F. M. de Moraes and Stephen B. Weinstein, IEEE Communications Magazine, January, 1995 |
| HL | C12 | "The Motion Pictures Experts Group Digital Compression Standard and its Role in Satellite Systems," Frank Laczko, Proceedings of 1993 IEEE National Telesystems Conference, June 16-17, 1993, pp. 117-119, xp002163561, Atlanta, GA, USA |
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| HL | A37 | 5,381,412 | 01-10-95 | Otani | | | |
| I | A38 | 5,388,182 | 02-07-95 | Benedetto et al. | | | |
| I | A39 | 5,389,965 | 02-14-95 | Kuzma A.J. | | | |
| I | A40 | 5,392,066 | 02-21-95 | Fisher et al. | | | |
| I | A41 | 5,392,353 | 02-21-95 | Morales | | | |
| I | A42 | 5,394,561 | 02-28-95 | Freeburg | | | |
| I | A43 | 5,396,497 | 03-07-95 | Veltman | | | |
| I | A44 | 5,403,639 | 04-04-95 | Belsan et al. | | | |
| HL | A45 | 5,404,567 | 04-04-95 | DePietro et al. | | | |

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| | | | | | | | YES | NO |
| HL | B17 | Kokai 1-309489 | 12-13-89 | Japan | | | | |
| I | B18 | Kokai 3-278730 | 12-10-91 | Japan | | | | |
| I | B19 | Kokai 4-134995 | 05-08-92 | Japan | | | | |
| HL | B20 | Kokai 5-103233 | 04-23-93 | Japan | | | | |

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| HL | C13 | "MPEG: A Video Compression Standard for Multimedia Applications," Didier Le Gall, <u>Communications of the Association for Computing Machinery</u> , vol. 34, no. 4, April 1, 1991, pp. 46-58, xp000228788, NY, USA |
| I | C14 | "Principles of Digital Audio," Ken C. Pohlmann, McGraw-Hill Video/Audio Professional, 4 th edition, pp. 482-483. |
| HL | C15 | "Infinity Boards the MUSICAM Express," <u>Radio Ink</u> , p. 10, May 8-21, 1995 |

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| HL | A46 | 5,406,558 | 04-11-95 | Rovira et al. | | | |
| I | A47 | 5,414,773 | 05-09-95 | Handelman | | | |
| I | A48 | 5,432,907 | 07-11-95 | Picazo, Jr., et al. | | | |
| I | A49 | 5,440,336 | 08-08-95 | Buhro et al. | | | |
| I | A50 | 5,455,570 | 10-03-95 | Cook et al. | | | |
| I | A51 | 5,461,619 | 10-24-95 | Citta et al. | | | |
| I | A52 | 5,463,424 | 10-31-95 | Dressler | | | |
| I | A53 | 5,479,447 | 12-26-95 | Chow et al. | | | |
| HL | A54 | 5,490,136 | 02-06-96 | Sereno et al. | | | |

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| | | | | | | | YES | NO |
| HL | B21 | Kokai 5-290442 | 11-05-93 | Japan | | | | |
| I | B22 | Kokai 6-133220 | 05-13-94 | Japan | | | | |
| I | B23 | Kokai 6-141005 | 05-20-94 | Japan | | | | |
| HL | B24 | Kokai 6-276169 | 09-30-93 | Japan | | | | |

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| HL | C16 | "Digital Audio Dictionary," Howard W. Sams, <u>Prompt Publications</u> |
| HL | C17 | "Introduction to Data Compression," Khalid Sayood, 1996 |
| HL | C18 | "MCPC VSAT's for Rural Network," M. L. Sharma, <u>Digital Satellite Communications</u> , 1995, 10 th International Conference, pp. 484-490. |
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| I | A56 | 5,493,339 | 02-20-96 | Birch et al. | | | |
| I | A57 | 5,493,647 | 02-20-96 | Miyasaka et al. | | | |
| I | A58 | 5,495,554 | 02-27-96 | Edwards et al. | | | |
| I | A59 | 5,508,949 | 04-16-96 | Konstantinides | | | |
| I | A60 | 5,515,107 | 05-07-96 | Chiang et al. | | | |
| I | A61 | 5,528,725 | 06-18-96 | Hui | | | |
| I | A62 | 5,530,655 | 06-25-96 | Lokhoff et al. | | | |
| HL | A63 | 5,534,913 | 07-09-96 | Majeti et al. | | | |

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| HL | B25 | Kokai 63-128829 | 06-01-88 | Japan | | | | |
| I | B26 | Kokai 63-240228 | 10-05-88 | Japan | | | | |
| I | B27 | Kokai 7-153243 | 06-16-95 | Japan | | | | |
| HL | B28 | Kokai 7-154347 | 11-29-93 | Japan | | | | |

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| I | C20 | "Digital Video and Audio Compression," Stephen J. Solari |
| HL | C21 | "AT&T, Starburst Offer Reliable, Satellite-Based Multicasting," StarBurst Communications Press Release, April 2, 1996 |
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| | A65 | 5,550,863 | 08-27-96 | Yurt et al. | | | |
| | A66 | 5,557,334 | 09-17-96 | Legate | | | |
| | A67 | 5,557,724 | 09-17-96 | Sampat et al. | | | |
| | A68 | 5,559,549 | 09-24-96 | Hendricks et al. | | | |
| | A69 | 5,566,209 | 10-15-96 | Forssen et al. | | | |
| | A70 | 5,581,653 | 12-03-96 | Todd | | | |
| | A71 | 5,583,962 | 12-10-96 | Davis et al. | | | |
| HL | A72 | 5,586,121 | 12-17-96 | Moura et al. | | | |

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| HL | B29 | WO 89/09965 | 10-19-89 | WIPO | | | | |
| | B30 | WO 92/10040 | 06-11-92 | WIPO | | | | |
| | B31 | WO 92/12599 | 07-23-92 | WIPO | | | | |
| HL | B32 | WO 92/17948 | 10-15-92 | WIPO | | | | |

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| HL | C22 | "Comet PC-to-PC File Transfer Application Software," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages) |
| HL | C23 | "HSS High Speed ISA Bus PC Interface Board," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages) |
| HL | C24 | "MPEG 2 Digital Video Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages) |
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| LL | A73 | 5,588,024 | 12-24-96 | Takano | | | |
| | A74 | 5,590,108 | 12-31-96 | Mitsuno et al. | | | |
| | A75 | 5,594,490 | 01-14-97 | Dawson et al. | | | |
| | A76 | 5,606,668 | 02-25-97 | Shwed | | | |
| | A77 | 5,608,446 | 03-04-97 | Carr et al. | | | |
| | A78 | 5,633,981 | 05-27-97 | Davis | | | |
| | A79 | 5,659,615 | 08-19-97 | Dillon | | | |
| | A80 | 5,659,877 | 08-19-97 | Enomoto et al. | | | |
| LL | A81 | 5,675,575 | 10-07-97 | Wall, Jr. et al. | | | |

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| LL | B33 | WO 93/02412 | 02-04-93 | WIPO | | | | |
| 1 | B34 | WO 93/09631 | 05-13-93 | WIPO | | | | |
| | B35 | WO 95/23493 | 08-31-95 | WIPO | | | | |
| LL | B36 | WO 96/08095 | 03-14-96 | WIPO | | | | |

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| LL | C25 | "MUSICAM MPEG Layer II Digital Audio Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages) |
| 1 | C26 | "RS-422, V.35, RS-232C Clear Channel Synchronous Data Interface Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages) |
| HL | C27 | "Specification for Satellite Data Broadcasting System Software v. 1.0," <u>Starguide Digital Networks, Inc.</u> publication 10/31/95 (7 pages) |
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| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----|-----------------|----------|----------------|-------|----------|-------------------------------|
| KL | A82 | 5,694,334 | 12-02-97 | Donahue et al. | | | |
| | A83 | 5,694,490 | 12-02-97 | Howell et al. | | | |
| | A84 | 5,694,546 | 12-02-97 | Reisman | | | |
| | A85 | 5,699,411 | 12-16-97 | Becker et al. | | | |
| | A86 | 5,706,335 | 01-06-98 | Hinderks | | | |
| | A87 | 5,727,002 | 03-10-98 | Miller et al. | | | |
| | A88 | 5,732,078 | 03-24-98 | Arango | | | |
| | A89 | 5,732,216 | 03-24-98 | Logan et al. | | | |
| KL | A90 | 5,737,739 | 04-07-98 | Shirley et al. | | | |

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| | | | | | | | YES | NO |
| KL | B37 | WO 96/32710 | 10-17-96 | WIPO | | | | |
| | B38 | WO 96/32805 | 10-17-96 | WIPO | | | | |
| | B39 | WO 97/07606 | 02-27-97 | WIPO | | | | |
| KL | B40 | WO 97/09801 | 03-13-97 | WIPO | | | | |

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| C28 | "Starguide II Digital Multimedia Satellite Receiver," <u>Starguide Digital Networks, Inc.</u> publication (2 pages) |
| C29 | "Starguide MX3 Digital Multimedia Multiplexer," <u>Starguide Digital Networks, Inc.</u> publication (2 pages) |
| C30 | "Starguide MX3 Digital Multimedia Satellite Hub," <u>Starguide Digital Networks, Inc.</u> publication (2 pages) |
| C31 | "Virtual Bandwidth Network Management System (VBNMS) Software," <u>Starguide Digital Networks, Inc.</u> publication (2 pages) |

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Hunter Lensberry

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*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

12013US02

SERIAL NO.

09/263,801

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

APPLICANT:

Laurence A. Fish et al.

FILING DATE

March 6, 1999

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| LL | A91 | 5,751,356 | 05-12-98 | Suzuki et al. | | | |
| | A92 | 5,778,187 | 07-07-98 | Monteiro et al. | | | |
| | A93 | 5,778,372 | 07-07-98 | Cordell et al. | | | |
| | A94 | 5,781,909 | 02-14-98 | Logan et al. | | | |
| | A95 | 5,809,145 | 09-15-98 | Slik et al. | | | |
| | A96 | 5,818,441 | 10-06-98 | Throckmorton et al. | | | |
| | A97 | 5,818,845 | 10-06-98 | Moura et al. | | | |
| | A98 | 5,828,655 | 10-27-98 | Moura et al. | | | |
| HL | A99 | 5,828,839 | 10-27-98 | Moncreiff | | | |

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| | | | | | | | YES | NO |
| HL | B41 | WO 97/48051 | 12-18-97 | WIPO | | | | |
| I | B42 | WO 98/15887 | 04-16-98 | WIPO | | | | |
| I | B43 | WO 98/20724 A2 | 05-22-98 | WIPO | | | | |
| HL | B44 | WO 00/25482 | 05-04-00 | WIPO | | | | |

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| HL | C32 | "Virtual Bandwidth Network Management System, Users Guide," <u>StarGuide Digital Networks, Inc.</u> publication 1996, pp. 1-83 |
| I | C33 | "Installation and Operation of the DaX," <u>StarGuide Digital Networks, Inc.</u> publication 04/25/95, pp. 1-16 |
| I | C34 | "StarGuide II Satellite Receiver User's Manual," <u>StarGuide Digital Networks, Inc.</u> publication, Rev. B 6/96, pp. 1-56 |
| HL | C35 | "RS-232 Asynchronous Services Statistical Demux Interface Module," <u>StarGuide Digital Networks, Inc.</u> publication 1996 |
| EXAMINER <i>Hunter Linsberg</i> | | |
| DATE CONSIDERED <i>2/24/03</i> | | |
| *EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | |

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| HL | A100 | 5,835,726 | 11-10-98 | Shwed et al. | | | |
| | A101 | 5,838,906 | 11-17-98 | Doyle et al. | | | |
| | A102 | 5,841,979 | 11-24-98 | Schulhof et al. | | | |
| | A103 | 5,848,386 | 12-08-98 | Motoyama | | | |
| | A104 | 5,852,721 | 12-22-98 | Dillon et al. | | | |
| | A105 | 5,862,325 | 01-19-99 | Reed et al. | | | |
| | A106 | 5,881,131 | 03-09-99 | Farris et al. | | | |
| | A107 | 5,893,091 | 04-06-99 | Hunt et al. | | | |
| ML | A108 | 5,894,554 | 04-13-99 | Lowery et al. | | | |

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| HL | B45 | WO 02/069073 A2 | 09-06-02 | WIPO | | | | |
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| HL | C38 | Conway Phone-a-lyzer II, p. 96, <u>Telephony's Buyer's Guide 1990/91</u> |
| | C37 | "Telos Zephyr Digital Network Audio Transceiver User's Manual," (selected portions), Manual Version: Non-ISDN 1.0, April 94 |
| | C38 | Clearlink IP Router Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03 |
| HL | C39 | "VSAT Network Components," Tridom, released 1/26/97 printed from web page 02/05/03 |
| EXAMINER <i>Hunter Langberry</i> | | DATE CONSIDERED <i>3/24/03</i> |
| *EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | |

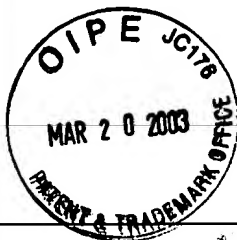
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| hcl | A109 | 5,987,480 | 11-16-99 | Donohue et al. | | | |
| | A110 | 5,991,292 | 11-23-99 | Focsaneanu | | | |
| | A111 | 5,991,306 | 11-23-99 | Burns et al. | | | |
| | A112 | 5,991,596 | 11-23-99 | Cunningham et al. | | | |
| | A113 | 5,995,726 | 11-30-99 | Dillon | | | |
| | A114 | 6,002,720 | 12-14-99 | Yurt et al. | | | |
| | A115 | 6,006,173 | 12-21-99 | Wiese et al. | | | |
| | A116 | 6,018,764 | 01-25-00 | Field et al. | | | |
| hcl | A117 | 6,021,307 | 02-01-00 | Chan | | | |

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| hcl | C40 | Clearlink System 100 Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03 |
| | C41 | "Bandwidth On Demand Satellite Network Table Definitions," StarGuide Digital, version 2.0, August 29, 1996, pp. 1-8, <u>Virtex Communications, LLC</u> |
| | C42 | "StarGuide Multiplexer User's Manual," Version 6.01, October 5, 1996, pp. 1-26, <u>Virtex Communications, LLC</u> |
| hcl | C43 | "Symphony Integrated Satellite Receiver Software High Level Design," Version 1.0, April 28, 1995, pp. 1-24, <u>Virtex Communications, LLC</u> |


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Hunter Longberry

3/24/03

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|---|--|--------------------------------------|------------------------------|
| Form PTO-1449 (Rev. 8-83) <div style="float: right; text-align: center;"> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE </div> <div style="clear: both;"></div> <div style="margin-top: 20px;"> INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) </div> <div style="margin-top: 10px;">  </div> | | ATTORNEY DOCKET NO. 12013US02 | SERIAL NO. 09/263,801 |
| APPLICANT: Laurence A. Fish et al. | | FILING DATE March 6, 1999 | |
| GROUP ART UNIT: 2711 | | | |

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| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|--|-----------------|-----------|----------|--------------------|----------|----------------------------|
| <div style="font-size: 2em;">H L</div> <div style="border-left: 1px solid black; height: 100px; margin: 0 auto;"></div> <div style="font-size: 2em;">H L</div> | A118 | 6,023,345 | 02-08-00 | Bloomfield | | |
| | A119 | 6,034,689 | 03-07-00 | White et al. | | |
| | A120 | 6,038,594 | 03-14-00 | Puente et al. | | |
| | A121 | 6,041,295 | 03-21-00 | Hinderks | | |
| | A122 | 6,041,359 | 03-21-00 | Birdwell | | |
| | A123 | 6,049,551 | 04-11-00 | Hinderks et al. | | |
| | A124 | 6,055,244 | 04-25-00 | Wall, Jr. et al. | | |
| | A125 | 6,078,961 | 06-20-00 | Mourad et al. | | |
| | A126 | 6,085,235 | 07-04-00 | Clarke, Jr. et al. | | |

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| | | |
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| <div style="font-size: 2em;">H L</div> | C44 | "Symphony Integrated Satellite Receiver Product Specification," Version 1.1, May 5, 1995, pp. 1-11, <u>Virtex Communications, LLC</u> |
| <div style="border-left: 1px solid black; height: 20px; margin: 0 auto;"></div> | C45 | StarGuide II Tracking brochure, 1995, <u>Virtex Communications, L.L.C.</u> |
| <div style="font-size: 2em;">H L</div> | C46 | "MUSICAM EXPRESS Brochure, 1995, Virtual Express Communications, L.L.C. |

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| EXAMINER <div style="font-size: 1.2em; font-family: cursive;">Hunter Larsberg</div> | DATE CONSIDERED <div style="font-size: 1.2em; font-family: cursive;">3/24/03</div> |
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| HL | A127 | 6,094,427 | 07-25-00 | Yi | | | |
| I | A128 | 6,094,671 | 07-25-00 | Chase et al. | | | |
| I | A129 | 6,101,180 | 08-08-00 | Donahue et al. | | | |
| I | A130 | 6,115,750 | 09-05-00 | Dillon et al. | | | |
| I | A131 | 6,128,374 | 10-03-00 | Hinderks | | | |
| I | A132 | 6,144,702 | 11-07-00 | Yurt et al. | | | |
| I | A133 | 6,160,797 | 12-12-00 | Robert III et al. | | | |
| I | A134 | 6,188,689 | 02-13-02 | Katsube et al. | | | |
| HL | A135 | 6,205,473 | 03-20-01 | Thomasson et al. | | | |

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| HL | C47 | "Compression in Video and Audio," John Watkinson, 1995 |
| I | C48 | Webpage printouts, IDR V1000 Specification, WavePhore Networks, 12/10/97 |
| HL | C49 | "WavePhore and SkyCache to Renovate Internat Backbone," webpage printout, WavePhore Networks, 03/11/98 |
| EXAMINER Hunter Lorsch | | DATE CONSIDERED 3/24/03 |
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| HL | A136 | 6,212,201 | 04-03-01 | Hinderks et al. | | | |
| | A137 | 6,310,893 | 10-30-01 | Yuan et al. | | | |
| | A138 | 6,351,727 | 02-26-02 | Wiese et al. | | | |
| | A139 | 6,351,728 | 02-26-02 | Wiese et al. | | | |
| | A140 | 6,359,882 | 03-19-02 | Robles et al. | | | |
| | A141 | 6,373,927 | 04-16-02 | Hinderks | | | |
| | A142 | 6,411,607 | 06-25-02 | Robert III et al. | | | |
| | A143 | 6,411,616 | 06-25-02 | Donahue et al. | | | |
| HL | A144 | 6,490,551 | 12-03-02 | Wiese et al. | | | |

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| HL | C50 | "Digital Video: The iPump," Wegener Communications, web page printed 02/05/03 |
| I | C51 | "Digital Video: The UNITY 5000," Wegener Communications, web page printed 02/05/03 |
| HL | C52 | "Digital Video: UNITY Option Cards," Wegener Communications, 1999, web page printed 02/14/03 |
| EXAMINER Hester Longberry | | DATE CONSIDERED 3/24/03 |
| *EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | |

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| <p>Form PTO-1449 (Rev. 8-83) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> <p style="text-align: center;">O I P E JC176 MAR 20 2003 PATENT & TRADEMARK OFFICE</p> </div> | <p>ATTORNEY DOCKET NO. 12013US02</p> | <p>SERIAL NO. 09/263,801</p> |
| <p>APPLICANT: Laurence A. Fish et al.</p> | | |
| <p>FILING DATE March 6, 1999</p> | | <p>GROUP ART UNIT: 2711</p> |

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| HLS HLL | A145 | Des. 264,691 | 06-01-82 | Volkland et al. | | | |
| | A145 | Des. 267,249 | 12-14-82 | Fukushima et al. | | | |
| | A147 | Des. 277,569 | 02-12-85 | Georgopulus | | | |
| | A148 | Des. 281,974 | 12-31-85 | Suzuki et al. | | | |
| | A149 | Des. 289,616 | 05-05-87 | Imazeki | | | |
| | A150 | Des. 291,443 | 08-18-87 | Pedinielli et al. | | | |
| | A151 | Des. 349,503 | 08-09-94 | Roy | | | |
| | A152 | Des. 350,544 | 09-13-94 | Sakuta et al. | | | |
| | A153 | Des. 373,767 | 09-17-96 | Hinderks | | | |

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| HLL | C53 | "Digital Video: The UNITY 401," Wegener Communications, 1999, web page printed 02/14/03 |
| 1 | C54 | "Modeling and Performance Analysis of File Transfer in a Satellite Wide Area Network," Oliver W. W. Yang et al., IEEE Journal on Selected Areas in Communications, vol. 10, No. 2, February, 1992 |
| HLL | C55 | "Psychoacoustics Facts and Models," E. Zwicker and H. Fastl, 1990 |
| <p>EXAMINER Hunter Lonsberg</p> | | <p>DATE CONSIDERED 3/24/07</p> |
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INFORMATION DISCLOSURE CITATION
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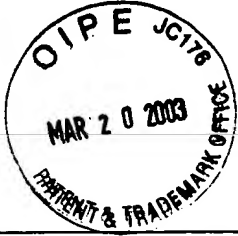
Laurence A. Fish et al.

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| GL | A154 | Re. 32,124 | 04-22-86 | Atal | | | |
| | A155 | 2001/0000457 | 04-26-01 | Hinderks et al. | | | |
| | A156 | 2001/0038686 | 11-08-01 | Hinderks | | | |
| | A157 | 2002/0082827 | 06-27-02 | Wiese | | | |
| | A158 | 2002/0105955 | 08-08-02 | Roberts, III et al. | | | |
| | A159 | 2002/0177914 | 11-28-02 | Chase | | | |
| LL | A160 | 2002/0194364 | 12-19-02 | Chase et al. | | | |
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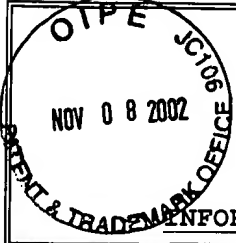
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| ML | C56 | "What is DaX?," Virtex Communications, L.L.C., 1994 |
| ML | C57 | "The Very Least You Need to Know to Operate a DaX" brochure, MUSICAM EXPRESS, L.L.C., July, 1996 |
| | C | |
| EXAMINER Hester L. L. L. | | |
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|  <p>FORM PTO-1449</p> <p>INFORMATION DISCLOSURE CITATION</p> | | | | Atty Docket 24899 | | Serial No. 09/263,801 | |
| | | | | Applicant FISH et al. | | | |
| | | | | Filing Date 3/06/99 | | Group Art Unit 2611 | |

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|-----------------------|----|-----------------|------------|----------------|-------|-----------|-------------|
| Examiner Initial | | Document Number | Issue Date | Name | Class | Sub-Class | Filing Date |
| | AA | | | | | | |
| <i>HL</i> | AB | 6,006,173 | 12/21/99 | Wiese et al. | 704 | 201 | 1/6/97 |
| <i>HL</i> | AC | 6,094,671 | 7/25/00 | Chase et al. | 709 | 201 | 10/9/97 |
| <i>HL</i> | AD | 6,101,180 | 8/8/00 | Donahue et al. | 370 | 352 | 11/12/97 |
| | AE | | | | | | |
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| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | |
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| Examiner <i>Hunter Conskerry</i> | Date Considered <i>2/4/03</i> |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.
 Draw line through citation if not in conformance and not considered.
 Include copy of this form with next communication to Applicant.